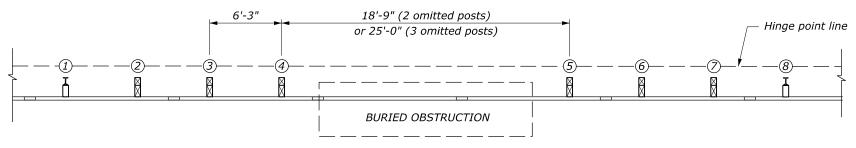
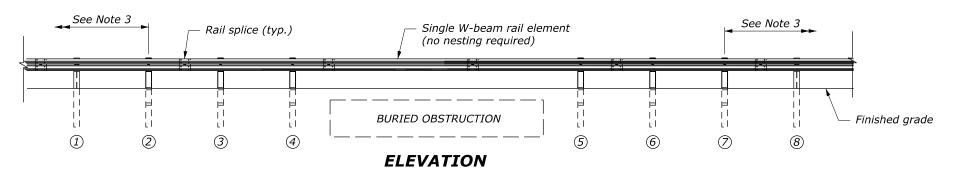
STATE	PROJECT	SHEET NUMBER
ST	PROJECT NUMBER	

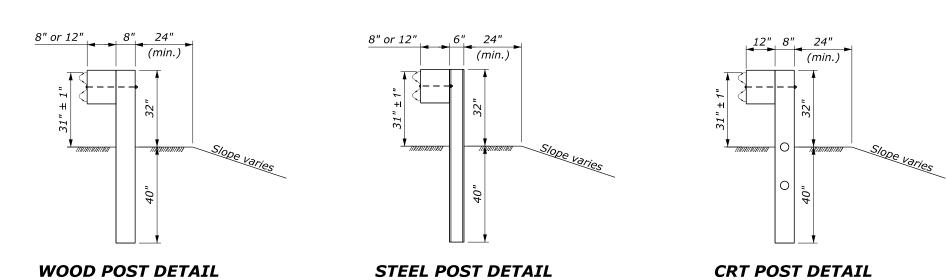


PLAN



NOTE:

- 1. Posts 1 and 8 may be wood or steel.
- 2. Use wood posts for CRT posts.
- 3. The minimum length of guardrail, including the end terminals, upstream and downstream of posts (2) and (7) is 62.5 feet.
- 4. In locations where the culvert headwall extends above the finished grade to act as a vertical roadway curb, the maximum height of the culvert headwall above the finished grade is 2 inches.
- 5. See Details C617-31 or C617-32 for other assembly details.

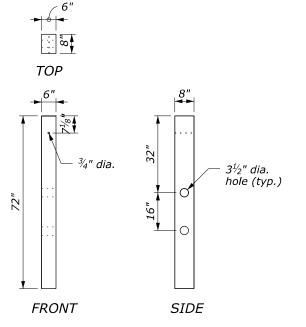


POST (1) AND (8)

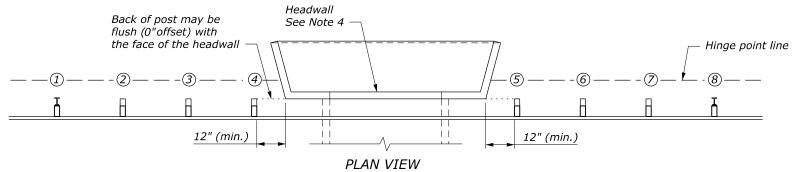
See Note 1

POST 1 AND 8

See Note 1



CRT WOOD POST



POST ② THRU ⑦

See Note 2

SPAN WITH HEADWALL DETAIL

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

CFLHD DETAIL

MGS W-BEAM GUARDRAIL LONG-SPAN SYSTEM

DETAIL

NO SCALE

C617-37

Notes to the Designer

Updated September 2021

MGS W-Beam Guardrail Long-Span System

General Information

- All graphics and text will be in the sheet model.
- Appropriate Applications.

Long-span guardrail systems are used to span low-fill culverts. This drawing may also be used if an impenetrable object is encountered at post locations during construction.

Crash Test Criteria	MASH
Test Level	TL-3
FHWA Eligibility Letter	B-189, B-133, B-211A
TF 13 Designator	SGR20a-b, SGR38a-e
Crash Test Report	MwRSF Report No TRP-03-187-07



From MwRSF website https://mwrsf.unl.edu/mgs.php

- Limitations.

The maximum span is 25 feet.

Layout Guidance.

See AASHTO Roadside Design Guide Section 5.4.2

See the FLH Midwest Guardrail System FAQ document for more information.

Applicable SCRs

- Section 563 (if weathering agent applied to galvanized elements)
- Section 617
- Section 710
- Section 725 (if weathering agent applied to galvanized elements)

Typical Pay Item Used

- 61701-4550 Guardrail system MGS, type 2, class A wood posts [LNFT] for galvanized steel
- 61701-5150 Guardrail system MGS, type 4, class B wood posts [LNFT] for weathering steel

Note: long-span systems are paid for using the same pay item as roadside rail.

Updates

- February 2019
 - New Detail drawing
- April 2020

Revised note 3, added note 4, minor CADD edits

- September 2021
 - Updated for OpenRoads Designer